

Personal information

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Short Biography

Katharina Roser is a Lecturer and Senior Researcher at the Faculty of Health Sciences and Medicine of the University of Lucerne. She studied Mathematics at the University of Basel. She did her PhD in Epidemiology at the Swiss Tropical and Public Health Institute (Swiss TPH) in Basel in the framework of the HERMES (Health Effects Related to Mobile phone use in AdolescentS) project (2012-2015). From 2016 until 2021, she was a Senior Research Fellow at the Department of Health Sciences and Medicine of the University of Lucerne. In parallel, she worked as a scientific collaborator at the Cancer Registry of Central Switzerland on a project on the epidemiology of cancer in adolescents and young adults in Central Switzerland (2017-2018) and at the Swiss National Science Foundation on a project investigating new features in one of the funding schemes for early career researchers (2019). She is the principal investigator of a project on adolescent and young adult (AYA) cancer in Switzerland and another project on the socio-bureaucratic hardships after childhood cancer from the perspective of parents, survivors, and experts in Switzerland. Alongside her research activities, she teaches in the Bachelor in Health Sciences and the Joint Medical Master UniLU-UZH and supervises Master students in Health Sciences.

Current Position

05/2021 – present **Lecturer and Senior Researcher**
Faculty of Health Sciences and Medicine, University of Lucerne, Lucerne

Education

21.10./11.11.2022 **Basiskurs «Didaktik Gesundheit und Medizin»** at the Department of Health Sciences and Medicine, University of Lucerne
13.11.2018 **GCP Course Sponsor-Investigator Level**
29.10./06.11.2018 **GCP Course Investigator Level**
07/2017 – 06/2018 **“Teaching in Higher Education: Basic Training in Higher Education Teaching”** at the University of Lucerne
24.03.2016 Completion SSPH+ PhD Program in Public Health
21.12.2015 PhD Defence
Committee: Prof. Dr. Martin Rösli, Prof. Dr. Jürg Utzinger, Dr. Anke Huss
PhD Thesis “Exposure assessment for mobile phone use and radiofrequency electromagnetic fields and the application in a Swiss cohort study” (*magna cum laude*); Supervisor: Prof. Dr. Martin Rösli
01/2012 – 12/2015 **PhD in Epidemiology**
Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute (Swiss TPH), Basel; Supervisor: Prof. Dr. Martin Rösli; Project: HERMES (*Health Effects Related to Mobile phone use in AdolescentS*)
08/2008 – 09/2011 **Master of Science in Mathematics**
University of Basel, Basel
08/2005 – 07/2008 **Bachelor of Science in Mathematics**
University of Basel, Basel

Employment

- 01/2016 – 04/2021 **Senior Research Fellow**
Department of Health Sciences and Medicine, University of Lucerne, Lucerne
- 06/2019 – 12/2019 **Scientific Collaborator**
Career Division, Swiss National Science Foundation (SNSF), Bern
- 07/2017 – 06/2018 **Scientific Collaborator**
Cancer Registry of Central Switzerland, Lucerne Cantonal Hospital, Lucerne
- 06/2016 – 12/2016 **Coordinator**
Working group *Mental Health* of the International Late Effects of Childhood Cancer Guideline Harmonization Group (IGHG), University of Lucerne, Lucerne
- 01/2012 – 12/2015 **PhD in Epidemiology**
Department of Epidemiology and Public Health, Swiss Tropical and Public Health Institute (Swiss TPH), Basel

Approved funding for research projects

- 06/2022 – 09/2022 Lectureships and Prolonged Research Stays at African Higher Education institutions for Swiss Research Groups of Swiss Higher Education Institutions “Leading House Africa”: “Academic performance of children with Sickle Cell Disease in Benin” (co-principal applicant; CHF 24'992)
- 10/2022 – 09/2025 Project grant Cancer Research Switzerland (KFS-5384-08-2021): “The long shadow of childhood cancer: socio-bureaucratic hardships after childhood cancer from the perspective of parents, survivors, and legal, healthcare, and insurance experts in Switzerland” (principal applicant; CHF 350'850)
- 05/2021 – 07/2021 Project start-up funding of the University of Lucerne research committee (Forschungskommission): “The long shadow of childhood cancer: socio-economic hardship after childhood cancer” (co-principal applicant; CHF 6'189)
- 01/2021 – 04/2021 Project grant of the University of Lucerne research committee (Forschungskommission): “My child might never be able to have own children: Worries of parents of very long-term childhood cancer survivors” (co-principal applicant; CHF 7'914)
- 11/2020 – 01/2021 Project grant of the University of Lucerne research committee (Forschungskommission): “Psychological, quality of life and socio-economic outcomes during the COVID-19 pandemic” (co-principal applicant; CHF 14'168)
- 01/2020 – 12/2022 Project funded by Palatin-Stiftung Switzerland (Nr. 0028/2020), Krebsliga Zentralschweiz Switzerland, Avenir Stiftung Switzerland: “Cancer in adolescents and young adults (AYAs): epidemiology and psychosocial health of survivors” (principal applicant; CHF 288'000)
- 07/2017 - 10/2017 Project grant of the University of Lucerne research committee (Forschungskommission): “Adolescent and young adult cancer epidemiology in Central Switzerland” (principal applicant; CHF 6'684)

Research projects

Ongoing projects:

- 01/2024 – 12/2027 E-health tools to promote equality in quality of life for childhood to young adulthood cancer patients, survivors and their families (Swiss State Secretariat for Education, Research and Innovation (SERI), Horizon Europe)
- 10/2022 – 09/2025 The long shadow of childhood cancer: socio-bureaucratic hardships after childhood cancer from the perspective of parents, survivors, and legal, healthcare, and insurance experts in Switzerland (Cancer Research Switzerland)

01/2020 – 06/2024 Cancer in adolescents and young adults (AYAs): epidemiology and psychosocial health of survivors (Palatin-Stiftung Switzerland, Krebsliga Zentralschweiz Switzerland, Avenir Stiftung Switzerland)

Completed projects:

- 06/2022 – 09/2022 Academic performance of children with Sickle Cell Disease in Benin (Lectureships and Prolonged Research Stays at African Higher Education institutions for Swiss Research Groups of Swiss Higher Education Institutions “Leading House Africa”)
- 03/2020 – 04/2021 Psychological, quality of life and socio-economic outcomes during the COVID-19 pandemic (University of Lucerne research committee (Forschungskommission))
- 01/2019 – 12/2023 PanCareFollowUp: Novel, patient-centred survivorship care to improve care quality, effectiveness, cost-effectiveness and accessibility for survivors and caregivers (Horizon Europe)
- 01/2019 – 03/2023 GROKids: Grandparents' involvement and psychosocial outcomes when a grandchild is diagnosed with cancer: acute and long-term consequences (Swiss National Science Foundation (SNSF))
- 11/2017 – 07/2020 Needs for Psychosocial Care after Childhood Cancer - A mixed methods study (Krebsforschung Schweiz)
- 07/2017 – 06/2018 Adolescent and young adult cancer epidemiology in Central Switzerland (University of Lucerne research committee (Forschungskommission))
- 05/2017 – 04/2020 Improving Follow-up Care of Childhood Cancer: Implementation of Screening for Psychological Distress (Krebsforschung Schweiz)
- 01/2016 – 12/2018 Psychological late effects in long-term childhood cancer survivors –Development of guidelines for follow-up care (Krebsliga Zentralschweiz)
- 08/2014 – 01/2018 Parents of long-term childhood cancer survivors (Swiss National Science Foundation (SNSF), Kinderkrebshilfe Schweiz)
- 08/2014 – 07/2015 Population based personal radiofrequency electromagnetic field exposure measurements in Zurich (Amt für Abfall, Wasser, Energie und Luft (AWEL) Zürich)
- 01/2012 – 12/2014 HERMES: Health Effects Related to Mobile Phone Use in Adolescents (Swiss National Science Foundation (SNSF))

Teaching activities

07/2021 – present	University of Lucerne BSc in Health Sciences (German): Mathematische Grundlagen der Gesundheitswissenschaften, Methoden der Datenerhebung, Epidemiologie, Wahlpflichtbereich Gesundheitsförderung und Prävention (Grundlagen, Seminar Umweltepidemiologie, Seminar Krankheiten und Prävention), Betreuung Schriftliche Arbeiten, Betreuung Bachelorarbeiten
01/2016 – present	University of Lucerne MSc in Health Sciences (English): Research Design, Quantitative Methods, Statistics and Epidemiology, Requirements: Mathematics, Requirements: Literature Research and Writing Skills, supervision Term Papers, supervision Master theses
07/2020 – present	University of Lucerne Joint Medical Master UniLU-UZH (German): Modul Wissenschaftliches Arbeiten (Forschungsfragen und Literatur, Poster Session)
01/2012 – 12/2015	University of Basel and Swiss TPH Master in Epidemiology Bachelor in Medicine Bachelor in Biology

Supervision of junior researchers

PhD students in Health Sciences at the University of Lucerne

10/2022 – present	Martina Ospelt (second supervisor)
09/2021 – present	Salome Christen (second supervisor)
06/2021 – present	Céline Bolliger (second supervisor)
04/2019 – 09/2023	Anica Ilic (not formal supervisor)
08/2018 – 12/2023	Cristina Priboi (not formal supervisor)
05/2017 – 12/2020	Erika Harju (Co-promoter)
01/2016 – 09/2020	Julia Bänziger (Co-promoter)
01/2016 – 09/2017	Luzius Mader (not formal supervisor)

Other PhD students

10/2019 – present	Barbara Gantner, LUKS, Lucerne (not formal supervisor)
02/2017 – 04/2021	Ruth Hersche-Cupelli, SUPSI, Lugano (not formal supervisor)

Master students in Health Sciences at the University of Lucerne

02/2024 – 01/2025	Isabelle Fischer
09/2023 – 08/2024	Sabrina Stefanelli
05/2022 – 04/2023	Sebastian Thackwell, Elena Bertolini, Supriya Subramanian
07/2021 – 06/2022	Katja Rüesch
05/2021 – 04/2022	Michaela Kaufmann
07/2020 – 12/2020	Aurelia Altherr
06/2019 – 05/2020	Annah Gordon-Hoover, Berglind Halldorsdottir
06/2018 – 05/2019	Divine Kalenda, Fidan Kerimbekova, Maria Mojarrad
06/2017 – 05/2018	Nathalie Hartmann, Mona Piller, Luisa Neves da Silva
06/2016 – 05/2017	Erika Harju, Constanza Francois, Tenzin Loeden Bhugyal

Master students at the Swiss TPH

01/2012 – 12/2015	Anja Tesic, Daniela Rechsteiner, Seid Adem, Noemi Meier
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Memberships in panels, boards, and scientific societies

Boards:

- 07/2023 – present Representative of the Faculty of Health Sciences and Medicine in the “Jury Open Science Preis”, University of Lucerne
- 03/2020 – 10/2020 Member of the “Berufungskommission” for “Open Rank Professur für Community Medicine” at the University of Lucerne
- 07/2018 – 07/2019 Member of the “Kommission für ausgezeichnete Abschlussarbeiten”, Faculty of Humanities and Social Sciences, University of Lucerne

Memberships:

International Guidelines Harmonization Group (IGHG); Pan-European Network for Care of Survivors after Childhood and Adolescent Cancer (PanCare)

Reviewing activities:

Funding agencies: Deutsche Krebshilfe

Scientific journals: e.g. Journal of Adolescent and Young Adult Oncology, Health Psychology, Cancer Medicine, BMC Cancer, Psycho-Oncology, Haematologica, Environmental Research, International Journal of Environmental Research and Public Health, International Journal of Hygiene and Environmental Health, Sustainability, Asia-Pacific Journal of Oncology Nursing, BMC Cancer, Cancer Reports, Cancer Medicine, The Journal of Rural Health, Patient Education and Counseling

Prizes and awards

- 10/2020 **LORY Preis 2020** für die meisten auf dem Lucerne Open Repository (LORY) bereitgestellten Open-Access-Publikationen; Prof. Dr. Gisela Michel and team
- 10/2019 **SIOP Young Investigator Award** for abstract “Health-related quality of life in parents of long-term childhood cancer survivors: Swiss Childhood Cancer Survivor Study – Parents” at SIOP 2019, Lyon, France
- 09/2019 **Key Paper of the Month** selected by the journal Psycho-Oncology for “A systematic review on the use of the emotion thermometer in individuals diagnosed with cancer”
- 05/2015 **Young Scientist Award** at AT-RASC 2015, Gran Canaria, Spain

Lucerne, 16 April 2024